

Rabbit anti-Human, Rat OPSB Polyclonal Antibody | anti-OPSB antibody

OPSB Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322792	Rabbit	Human, Rat	ELISA, Western Blot

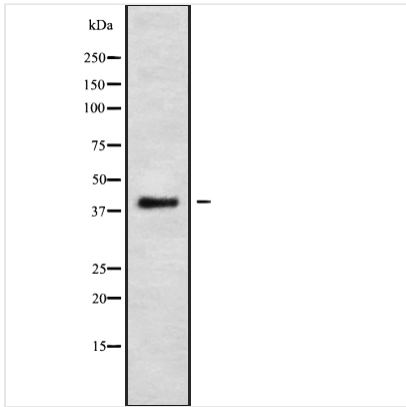
PRODUCT SYNONYMS

OPSB; Polyclonal Antibody; OPSB Antibody; anti-OPSB antibody

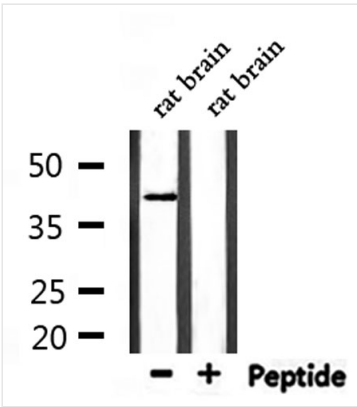
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	OPSB antibody detects endogenous levels of total OPSB
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	348
Applicable Applications for anti-OPSB antibody	ELISA, WB (Western Blot)
Immunogen	A synthesized peptide derived from human OPSB
Tissue Specificity	The three color pigments are found in the cone photoreceptor cells.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (91%), Bovine (91%), Horse (92%), Sheep (91%), Rabbit (83%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis OPSB using HUVEC whole cell lysates



WB (Western Blot)
Western blot analysis of extracts from rat brain, using OPSB Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-OPSB antibody	Function: Visual pigments are the light-absorbing molecules that mediate vision. They consist of an apoprotein, opsin, covalently linked to cis-retinal. Post-translational Modifications: Phosphorylated on some or all of the serine and threonine residues present in the C-terminal region. Similarity: Belongs to the G-protein coupled receptor 1 family. Opsin subfamily.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502387
NCBI GeneID	611
NCBI Accession #	NP_001699.1
NCBI GenBank Nucleotide #	NM_001708.2
UniProt Accession #	P03999; Q13877
Molecular Weight	Observed: 39 kDa Predicted: 40 kDa
NCBI Official Full Name	short-wave-sensitive opsin 1
NCBI Official Synonym Full Names	opsin 1, short wave sensitive
NCBI Official Symbol	OPN1SW
NCBI Official Synonym Symbols	BCP; BOP; CBT
NCBI Protein Information	short-wave-sensitive opsin 1
UniProt Protein Name	Short-wave-sensitive opsin 1
UniProt Gene Name	OPN1SW
UniProt Synonym Gene Names	BCP; BOP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.